

In the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Withdrawn) A linear motor comprising:

a moving member comprising a core made of a magnetic material and coils wound around the core;

a stationary member, said moving member being slidably engaged with the stationary member; and

a heat dissipation portion;

wherein at least a part of the heat dissipation portion touches the core.

2. (Withdrawn) The linear motor of claim 1, wherein the heat dissipation portion pierces through the core of the moving member.

3. (Withdrawn) The linear motor of claim 1, wherein the heat dissipation portion pierces through a center of the core of the moving member and at one end of the heat dissipation portion is formed a heat dissipation fin.

4. (Withdrawn) An apparatus for feeding electronic components comprising:

at least one unit base capable of carrying at least one component feeding unit which supplies electronic components loaded in a carrier tape at a predetermined pitch to a component pick-up position;

a platen for sliding the unit base thereon; and

a linear motor comprising at least one stationary member mounted on the platen and a moving member mounted on the unit base, said moving member comprising a core made of a magnetic material, coils wound around the core and a heat dissipation portion, at least a part of said heat dissipation portion touching the core.

5. (Withdrawn) The apparatus for feeding electronic components of claim 4, wherein the heat dissipation portion pierces through the core of the moving member.

6. (Withdrawn) The apparatus for feeding electronic components of claim 4, wherein the heat dissipation portion pierces through the center of the core of the moving member and a heat dissipation fin is formed at one end of the heat dissipation portion.

7-12. (Cancelled)

13. (Currently Amended) The apparatus for feeding electronic components of claim [[7]] 14, wherein the heat dissipation fins are disposed parallel with a direction of a sliding movement of the unit base along the platen.

14. (Currently Amended) [[The]] An apparatus for feeding electronic components of claim 7, comprising:

a unit base carrying at least one component feeding unit;

a platen for sliding the unit base thereon;

a linear motor comprising a stationary member mounted on the platen and a moving member mounted on the unit base; and

wherein the a plurality of heat dissipation fins [[are]] disposed on a sidewall of the unit base so as to be perpendicular to the sidewall and configured to dissipate heat generated in the moving member.